

June 20, 2019

**KANSAS INFORMATION NOTICE: 2019-01** (revised from 2013-03)

**Handheld X-ray Units**

**ADDRESSEES**

All Kansas Medical, Dental, and Veterinarian X-Ray Registrants

**PURPOSE**

To notify Kansas X-ray Registrants the use of handheld X-ray units is not allowed under the regulations without a waiver from the Kansas Department of Health and Environment, Bureau of Community Health System's Radiation Control Section.

**DESCRIPTION OF CIRCUMSTANCES**

Kansas Radiation Protection Regulation #28-35-135(t) "Portable X-ray equipment" means X-ray equipment designed to be hand-carried.

Kansas Radiation Protection Regulation #28-35-244a(i) Tube stands for portable X-ray systems. A tube stand or other mechanical support shall be used for portable X-ray systems, so that the X-ray tube housing assembly does not need to be handheld during exposures.

Kansas Radiation Protection Regulation #28-35-247a(h) (2) The tube housing and the position indication device (PID) shall not be handheld during an exposure.

Kansas Radiation Protection Regulation #28-35-242 (a) Waiver of requirements. Compliance with the specific requirements of these regulations relative to an existing machine or installation may be waived by the secretary if the registrant provides an alternative to the requirement that provides radiation protection equal to that prescribed in part 4 of these regulations.

**DISCUSSION**

KDHE is aware there are several handheld dental X-ray units on the market. These are the four (4) handheld dental X-ray units that have requested and been granted a waiver to be sold and used in Kansas:

- KaVo Nomad Pro
- KaVo Nomad Pro 2
- Digital Doc, LLC XTG MiniX-S
- Maxray Cocoon

If the purchase of a handheld dental X-ray unit is being considered by your facility, please contact our office at (785) 296-1560 to determine if the device is in compliance with our regulations and obtain information on the process to obtain a Kansas waiver for use of these units in your facility.

Kansas Radiation Protection Regulations may be found at: <http://www.kdheks.gov/radiation/regs.html>.

The RH-92 – Request for Hand Held X-ray Waiver may be found at:  
[http://www.kdheks.gov/radiation/download/RH-92\\_Handheld\\_Dental\\_Unit\\_Waiver.pdf](http://www.kdheks.gov/radiation/download/RH-92_Handheld_Dental_Unit_Waiver.pdf)

Any entity who wishes to sell handheld X-ray units in Kansas (i.e., manufacturer/vendor) must apply for and be granted a waiver. Each separate entity must have their own waiver.

Each individual X-ray facility wishing to possess and use a handheld X-ray unit must apply for their own waiver and be approved by KDHE before the unit is used to image patients.

This information notice does not require any specific action or written response. If you have any questions about the information in this notice, please do not hesitate to contact this office at (785) 296-1560 or [kdhe.xray@ks.gov](mailto:kdhe.xray@ks.gov).